

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

May 21, 2008

In re the application of:

Terrence J. Campbell

Docket No. 230P180(A)

Filed: 01/13/2004

Art Unit: 2625

Serial No.: 10/756,092

Examiner: Grant II, Jerome

For: Graphical Printing System and Method  
Using Text Triggers

Confirmation No.: 2923

**REPLY TO NON-FINAL OFFICE ACTION**

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In response to the non-final Office Action dated February 22, 2008, and identified as Paper No. 20080212, please consider the following amendment and remarks.

**Amendments to the Claims** begin on page 3 of this paper.

**Remarks/Arguments** begin on page 7 of this paper.

### **Amendments to the Claims**

This listing of claims will replace all prior versions and listings of claims in the application.

#### **Listing of Claims:**

1. (currently amended) A method for adding at least one special effect to the output media of a computer output device adapted to receive an input byte stream, said method comprising the steps of:

- a) identifying at least one byte string to act as a trigger for adding said at least one special effect to said output media;
- b) determining when said at least one byte string occurs in said input byte stream to said computer output device; and
- c) adding said at least one special effect to said output media in response to said at least one byte string, wherein said step of adding said at least one special effect to said output media comprises:
  - i) inserting a predefined portion of said input byte stream into a stored graphic for printing;
  - ii) merging a predefined portion of said input byte stream into a stored graphic for printing;
  - iii) inserting a graphic into a predefined portion of said input byte stream for printing;
  - iv) merging a graphic into a predefined portion of said input byte stream for printing;

v) replacing a predefined portion of said input byte stream with a stored logo for printing; or

vi) eliminating at least a portion of said predetermined input byte stream and merging a stored graphic with a remainder of said predetermined input byte for printing.

2. (original) A method according to claim 1, wherein said computer output device comprises a point-of-sale printer.

3. (original) A method according to 2, wherein said output media comprises a receipt.

4. (original) A method according to 1, wherein said byte string is a legacy text string.

5. (cancelled)

5 6. (currently amended) A method according to claim 1, further comprising the step of defining said special effect to be a surround graphic of a predetermined size.

6 7. (currently amended) A method according to claim [[5]] 1, further comprising the step of defining said surround graphic to be a predetermined color.

7 8. (currently amended) A method according to claim [[6]] 1, further comprising the step of defining said surround graphic to be a predetermined shape.

8 9. (currently amended) An article of manufacture having computer readable program code means embodied therein for adding at least one special effect to the output media of a computer output device adapted to receive an input byte stream, said article of manufacture comprising:

a) computer readable program code means for storing at least one byte string to act as a trigger for adding said at least one special effect to said output media;

b) computer readable program code means for determining when said at least one byte string occurs in said input byte stream; and

c) computer readable program code means for adding said at least one special effect to said output media in response to said at least one byte string, wherein said computer readable program code means for adding said at least one special effect to said output media comprises:

i) computer readable program code means for inserting a predefined portion of said predetermined legacy byte stream into a stored graphic for printing;

ii) computer readable program code means for merging a predefined portion of said predetermined legacy byte stream into a stored graphic for printing;

iii) computer readable program code means for inserting a graphic into a predefined portion of said predetermined input byte stream for printing;

iv) computer readable program code means for merging a graphic into a predefined portion of said predetermined input byte stream for printing;

v) computer readable program code means for replacing a predefined portion of said predetermined input byte stream with a stored graphic for printing; or

vi) computer readable program code means for eliminating a predefined portion of said predetermined input byte stream and merging a stored graphic with a remainder of said predetermined input byte stream for printing.

9 10. (cancelled).

40 11. (currently amended) An article according to claim [[8]] 9, further comprising computer readable program code means for defining said graphic to be a surround graphic of a predetermined size.

~~11~~ 12. (currently amended) An article according to claim ~~[[8]]~~ 9, wherein said byte string is a text string.

~~12~~ 13. (currently amended) An article according to claim 9, further comprising computer readable program code means for defining said surround graphic to be a predetermined color.

~~13~~ 14. (currently amended) An article according to claim 9, further comprising computer readable program code means for defining said surround graphic to be a predetermined shape.

~~14~~ 15. (currently amended) A method of creating a trigger for signaling the addition of a special effect to the output media of a computer output device, said method comprising the steps of:

- a) setting the length of an input text string to serve as said trigger;
  - b) setting the content of said text string;
  - c) defining the location of said input text string relative to the intended location of said special effect;
  - d) defining the type of said special effect to be added;
  - e) defining the extent of replacement of said input text string by said special effect;
- and
- f) storing said length, said content, said location, said type, and said replacement in computer readable memory accessible by said computer output device.

~~15~~ 16. (currently amended) A method according to claim ~~14~~ 15, wherein said trigger is a legacy trigger.

16 17. (currently amended) A method according to claim 14 15, wherein said special effect is a surround graphic.

17 18. (currently amended) A method according to claim 14 15, wherein said special effect is a logo.

18 19. (currently amended) A method according to claim 14 15, further comprising defining the color of said special effect.

19 20. (currently amended) A method of adding a surround graphic to legacy data printed on the output media of a computer output device, said method comprising the steps of:

- a) defining a set of surround graphic parameters identifying the type of said surround graphic, the starting column of said output media where said surround graphic will be added, the numbers of columns of said output media that said surround graphic will be surround, and the number print lines said surround graphic will surround;
- b) defining a set of print area parameters identifying the starting column on said output media where said legacy data will be printed, the numbers of columns of said output media where said legacy data will be printed, and the number of print lines of said output media where said legacy data will be printed; and
- c) printing said surround graphic and said legacy data on said output media according to said surround graphic parameters and said print area parameters.

~~20~~ 21. (cancelled).

~~21~~ 22. (currently amended) A method of adding graphics to the output byte stream of a host application for a computer output device, said method comprising the steps of:

- a) delaying for a predetermined number of bytes the processing of said output byte stream;
- b) defining a plurality of byte strings of less than a predetermined maximum length to be stored in non-volatile storage;
- c) managing said non-volatile storage to hold said byte strings;
- d) ordering said byte strings into a fast response;
- f) determining whether said output byte stream contains at least one matching byte string; and
- g) adding said graphics into said output byte stream in response to determining said matching byte strings are in said output byte stream.

22 23. (currently amended) The method of claim ~~21~~ 22, wherein the step of adding said graphics into said input stream comprises merging said output byte stream with said graphics.

23 24. (currently amended) The method of claim ~~21~~ 22, wherein the step of adding said graphics into said output byte stream comprises inserting predetermined portions of said output byte stream into said graphics.

~~24~~ 25. (currently amended) The method of claim ~~24~~ 22, wherein the step of adding said graphics into said output byte stream comprises merging predetermined portions of said output byte stream without said matching byte strings with said graphics.

~~25~~ 26. (currently amended) The method of claim ~~24~~ 22, wherein the step of adding said graphics into said output byte stream comprises inserting at least one logo into a predetermined portion of said output byte stream.

~~26~~ 27. (currently amended) The method of claim ~~24~~ 22, wherein the step of adding said graphics into a said output byte stream comprises replacing said matching byte strings in said output byte stream with at least one logo.

~~27~~ 28. (currently amended) The method of claim ~~24~~ 22, wherein the step of adding said graphics into said output byte stream comprises merging a predetermined portion of said output byte stream with at least one logo.

~~28~~ 29. (currently amended) The method of claim ~~24~~ 22, wherein the step of adding said graphics into a said output byte stream comprises eliminating said match string from said output byte stream and merging at least one logo with said output byte stream.



### **Remarks/Arguments**

The present amendment is made in response to the Office Action dated December 5, 2005, and identified as Paper No. 11292005. Claims 1-4, 6-9, 10-20, and 22-29 are pending.

In the Action, the Examiner rejected claims 1, 6-9, 11, 12, 14, 15, 17 and 18 under 35 U.S.C. § 102(b) as anticipated by U.S. Patent No. 5,940,581 to Lipton ("*Lipton*"). Claims 2 and 3 were rejected under 35 U.S.C. § 103(a) in view of *Lipton*. Claim 21 was rejected under 35 U.S.C. § 102(b) as anticipated by U.S. Patent Publication No. 2001/0021971 to Gibson ("*Gibson*").

#### **I. Claim Amendments**

Applicant has corrected the numbering of claims 5-28 due to the indication of claim 5 twice.

Applicant has amended claim 1 to include the limitations of allowed claim 5.

Applicant has amended claim 9 (formerly claim number 8) to include the limitations of allowed claim 10. The Examiner stated that the allowed claim was claim 9, which Applicant understood to mean to be original claim 8 after proper renumbering.

Applicant has cancelled claim 21 without prejudice to Applicant's right to present the claim in a continuing application.

Applicant has amended the dependent claims to include the proper references to prior claims.

As a result, Applicant believes that all of the pending claims are in condition for allowance.

In view of the foregoing amendments as supported by these remarks, the Examiner's reconsideration is requested and allowance of the present application is believed to be in order.

If the Examiner believes a phone conference with Applicant's attorney would expedite prosecution of this application, he is respectfully requested to contact him at (315) 218-8530.

Respectfully submitted,

Dated: May 21, 2008

By: 

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